

FINDING OF NO SIGNIFICANT IMPACT

for

Gamma Irradiation as a Process to Pasteurize
Poultry Feed

FAP 2216

Nordion International, Inc.
Kanata, Ontario, Canada

FOR PUBLIC DISPLAY

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for

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The Center for Veterinary Medicine has carefully considered the potential environmental impact of this action and has concluded that this action will not have a significant effect on the quality of the human environment. Therefore, an environmental impact statement will not be required.

Nordion International, Inc., is requesting approval of FAP 2216 for gamma irradiation as a physical process to pasteurize poultry feed by killing Salmonella and other bacterial pathogens in the feed. This petition will enable the sponsor to market industrial irradiation equipment for feed processing in the poultry feed sector and to assist users of existing irradiators. The submission proposes the use of ionizing irradiation from ^{60}Co (gamma rays) to pasteurize poultry feed at a maximum total dose of 25 kGy (2.5 Mrads) which is at the limit of 2.5 Mrads specified in 21 CFR 579.22 for treatment of laboratory animal diets. Nordion is not expected to manufacture, process or irradiate feed.

The firm provided an acceptable environmental assessment (EA) from a petition dated July 9, 1992, in support of the action (copy attached). The EA addresses the potential environmental and occupational impacts due to the irradiation process.

We have reviewed the EA and have determined that the proposed action is not expected to have a significant impact on the human environment.

12/21/92
Date

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12/21/92
Date

José Luis Machado
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12/21/92
Date

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Attachment: EA from a petition dated July 9, 1992